

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings of claims in this application.

LISTING OF CLAIMS

1 (Currently Amended) A catheter comprising:

an observation portion used for observation of the inside of an organism,

an observation lumen in which said observation portion is disposed and which extends in the direction of insertion into said organism,

a first guide wire lumen having a distal end and a proximal end, said first guide wire lumen is disposed substantially in parallel to said observation lumen and said proximal end of said first guide wire lumen is disposed on the distal end side in said insertion direction in relation to said observation portion and through which a guide wire is passed, and

a second guide wire lumen having a distal end and a proximal end, said second guide wire lumen is disposed on an extension line of said first guide wire lumen and said distal end of said second guide wire lumen is disposed on the proximal end side in said insertion direction in relation to said observation portion and through which said guide wire is passed,

wherein the first guide wire lumen and the second guide wire lumen are not connected to one another.

2. (Original) The catheter as set forth in claim 1, wherein said observation portion is rotatable around an axis which is the extension direction of said observation lumen.

3. (Previously Presented) The catheter as set forth in claim 1, wherein said observation portion is movable in said observation lumen toward the extension direction.

4. (Original) The catheter as set forth in claim 3, wherein said first guide wire lumen and said second guide wire lumen are spaced from each other by a distance corresponding to the range of movement of said observation portion.

5. (Previously Presented) The catheter as set forth in claim 1, wherein said observation portion is an ultrasonic detector.

6. (Previously Presented) The catheter as set forth in claim 2, wherein said observation portion is movable in said observation lumen toward the extension direction.

7. (Previously Presented) The catheter as set forth in claim 2, wherein said observation portion is an ultrasonic detector.

8. (Presently Presented) The catheter as set forth in claim 3, wherein said observation portion is an ultrasonic detector.

9. (Previously Presented) The catheter as set forth in claim 4, wherein said observation portion is an ultrasonic detector.

10. (New) The catheter as set forth in claim 1, wherein the proximal end and the distal end of the first guide wire lumen each possess an opening, and the proximal end and the distal end of the second guide wire lumen each possess an opening, the opening at the proximal end of the first guide wire lumen being positioned on a distal side of the observation part and the opening at the distal end of the second guide wire lumen being positioned on a proximal side of the observation part.

11. (New) A catheter comprising:
an observation portion used for observation of the inside of an organism,
an observation lumen in which said observation portion is disposed and which extends in the direction of insertion into said organism,
a first guide wire lumen having a distal end and a proximal end, said first guide wire lumen is disposed substantially in parallel to said observation lumen and said proximal end of said first guide wire lumen is disposed on the distal end side in said insertion direction in relation to said observation portion and through which a guide wire is passed,

a second guide wire lumen having a distal end and a proximal end, said second guide wire lumen is disposed on an extension line of said first guide wire lumen and said distal end of said second guide wire lumen is disposed on the proximal end side in said insertion direction in relation to said observation portion and through which said guide wire is passed; and

the proximal end and the distal end of the first guide wire lumen each possessing an opening, and the proximal end and the distal end of the second guide wire lumen each possessing an opening, the opening at the proximal end of the first guide wire lumen and the opening at the distal end of the second guide wire lumen being spaced apart from one another such that when a guide wire is positioned in both the first guide wire lumen and the second guide wire lumen a portion of the guide wire is located exterior of the catheter.

12. (New) The catheter as set forth in claim 11, wherein said observation portion is rotatable around an axis which is the extension direction of said observation lumen.

13. (New) The catheter as set forth in claim 11, wherein said observation portion is movable in said observation lumen toward the extension direction.

14. (New) The catheter as set forth in claim 13, wherein said first guide wire lumen and said second guide wire lumen are spaced from each other by a distance corresponding to the range of movement of said observation portion.

15. (New) The catheter as set forth in claim 11, wherein said observation portion is an ultrasonic detector.

16. (New) The catheter as set forth in claim 12, wherein said observation portion is movable in said observation lumen toward the extension direction.

17. (New) The catheter as set forth in claim 12, wherein said observation portion is an ultrasonic detector.

18. (New) The catheter as set forth in claim 13, wherein said observation portion is an ultrasonic detector.

19. (New) The catheter as set forth in claim 14, wherein said observation portion is an ultrasonic detector.

20. (New) The catheter as set forth in claim 11, wherein the opening at the proximal end of the first guide wire lumen is positioned on a distal side of the observation part and the opening at the distal end of the second guide wire lumen is positioned on a proximal side of the observation part.